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Total Number of Pages in This Submission

10

Application Number	09/264,547
Filing Date	March 8, 1999
First Named Inventor	JONES, TIMOTHY N.
Art Unit	3732
Examiner Name	John J. Wilson
Attorney Docket Number	018563-006000US

**ENCLOSURES** (Check all that apply)

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| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Supplemental Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return Postcard<br>PTO/SB/08A & PTO/SB/08B<br>33 Reference Copies |
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Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

\*Total number of pages does not include cited references**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Townsend and Townsend and Crew LLP
Signature	<i>S. B. Kotwal</i>
Printed name	Sujit B. Kotwal
Date	August 17, 2005

Reg. No.	43,336
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PATENT  
Attorney Docket No.: 018563-006000US  
Client Reference No.: AT-00109

On

8-18-2005

TOWNSEND and TOWNSEND and CREW LLP

By:

  
Jennifer O'Brien

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

TIMOTHY N. JONES et al.

Application No.: 09/264,547

Filed: March 8, 1999

For: SUBDIVIDING A DIGITAL  
DENTITION MODEL

Customer No.: 46718

Examiner: John J. Wilson

Art Unit: 3732

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT UNDER 37  
CFR §1.97 and §1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 1287 OG 163] are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

08/24/2005 EFLORES 00000080 201430 09264547

01 FC:1806 180.00 DA

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

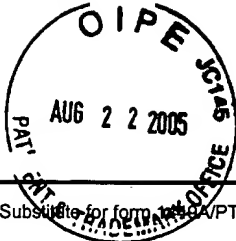
Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

*S. B. Kotwal*

Sujit B. Kotwal  
Reg. No. 43,336

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PTO/SB/08A (08-03)

Substitute for form PTO/SB/08A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/264,547
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		First Named Inventor	JONES, TIMOTHY N.
		Art Unit	3732
Examiner Name	John J. Wilson		
Sheet 1 of 5	Attorney Docket Number		018563-006000US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	3,407,500	10-29-1968	Kesling	
	2	3,683,502	08-15-1972	Wallshein.	
	3	3,922,786	12-02-1975	Lavin	
	4	3,983,628	10-05-1976	Acevedo	
	5	4,324,546	04-13-1982	Heitlinger et al.	
	6	4,324,547	04-13-1982	Arcan et al.	
	7	4,500,294	02-19-1985	Lewis	
	8	4,526,540	07-02-1985	Dellinger	
	9	4,575,330	03-11-1986	Hull	
	10	4,591,341	05-27-1986	Andrews	
	11	4,609,349	09-02-1986	Cain	
	12	4,664,626	05-12-1987	Kesling	
	13	4,676,747	06-30-1987	Kesling	
	14	4,836,778	06-06-1989	Baumrind et al.	
	15	4,850,865	07-25-1989	Napolitano	
	16	4,877,398	10-31-1989	Kesling	
	17	4,880,380	11-14-1989	Martz	
	18	4,889,238	12-26-1989	Batchelor	
	19	4,890,608	01-02-1990	Steer	
	20	4,935,635	06-19-1990	O'Harra,	
	21	4,941,826	07-17-1990	Loran et al.	
	22	4,983,334	01-08-1991	Adell	
	23	5,125,832	06-30-1992	Kesling	
	24	5,145,364	09-08-1992	Martz et al.	
	25	5,176,517	01-05-1993	Truax	
	26	5,440,326	08-08-1995	Quinn	
	27	5,528,735	06-18-1996	Strasnick et al.	
	28	5,645,420	07-08-1997	Bergersen	
	29	5,692,894	12-02-1997	Schwartz et al.	
	30	5,725,378	03-10-1998	Wang	
	31	5,823,778	10-20-1998	Schmitt et.al.	
	32	5,848,115	12-08-1998	Little et al.	
	33	5,857,853	01-12-1999	van Niferick et al.	
	34	5,866,058	02-02-1999	Batchelder et al.	
	35	5,880,961	03-09-1999	Crump	
	36	5,880,962	03-09-1999	Andersson et al.	
	37	5,934,288	08-10-1999	Avila et al.	
	38	5,957,686	09-28-1999	Anthony	
	39	5,964,587	10-12-1999	Sato	
	40	5,971,754	10-26-1999	Sondhi et al.	
	41	6,015,289	01-18-2000	Andreiko et al.	
Examiner Signature			Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>	
			Application Number	09/264,547
			Filing Date	March 8, 1999
			First Named Inventor	JONES, TIMOTHY N.
			Art Unit	3732
Examiner Name	John J. Wilson			
Sheet <b>2</b>	of <b>5</b>	Attorney Docket Number	018563-006000US	

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	42	6,044,309	03-28-2000	Honda	
	43	6,049,743	04-11-2000	Baba	
	44	6,062,861	05-16-2000	Andersson	
	45	6,068,482	05-30-2000	Snow	
	46	6,099,314	08-08-2000	Kopelman et al.	
	47	6,123,544	09-26-2000	Cleary	
	48	6,152,731	11-28-2000	Jordan et.al.	
	49	6,183,248	02-06-2001	Chishti et al.	
	50	6,190,165	02-20-2001	Andreiko et al.	
	51	6,217,334	04-17-2001	Hultgren	
	52	6,244,861	06-12-2001	Andreiko et al.	
	53	6,309,215	10-30-2001	Phan et al.	
	54	6,315,553	11-13-2001	Sachdeva et al.	
	55	6,322,359	11-27-2001	Jordan et al.	
	56	6,350,120	02-26-2002	Sachdeva et.al.	
	57	6,382,975	05-07-2002	Poirier	
	58	6,398,548	06-04-2002	Muhammad et al.	
	59	6,524,101	02-25-2003	Phan et al.	
	60	6,554,611	04-29-2003	Chishti et al.	
	61	2002/0006597	01-17-2002	Andreiko et al.	
	62	RE 35169	03-05-1996	Lemchen et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	63	AU	517102		07-09-1981	Hito Suyehiro		<input type="checkbox"/>
	64	AU	3031677		05-10-1979	Hito Suyehiro		<input type="checkbox"/>
	65	AU	5598894		06-08-1994	Ormco Corp		<input type="checkbox"/>
	66	CA	1121955		04-20-1982	Suyehiro Hito		<input type="checkbox"/>
	67	DE	2749802		05-11-1978	Suyehiro Hito		<input checked="" type="checkbox"/>
	68	DE	69327661		07-20-2000	Ormco Corp		<input checked="" type="checkbox"/>
	69	EP	0667753		08-23-1995	Ormco Corp		<input type="checkbox"/>
	70	ES	463897		01-01-1980	Hito Suyehiro		<input checked="" type="checkbox"/>
	71	GB	1550777		08-22-1979	Hito Suyehiro		<input type="checkbox"/>
	72	JP	53-058191		05-25-1978	Yoshii		<input checked="" type="checkbox"/>
	73	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co		<input checked="" type="checkbox"/>
	74	JP	08-508174		09-03-1996	Ormco Corp		<input checked="" type="checkbox"/>

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			First Named Inventor	JONES, TIMOTHY N.	
			Art Unit	3732	
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Sheet	3	of	5	Attorney Docket Number	018563-006000US

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	75	WO	98/32394		07-30-1998	Hultgren Bruce Willard		<input type="checkbox"/>

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Substitute for form 1449B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	09/264,547	
			Filing Date	March 8, 1999	
			First Named Inventor	JONES, TIMOTHY N.	
			Art Unit	3732	
			Examiner Name	John J. Wilson	
Sheet	4	of	5	Attorney Docket Number	018563-006000US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	76	ANDREWS, <i>The Six Keys to Optimal Occlusion Straight Wire</i> , Chapter 3, pp 13-24.	
	77	BERNARD et al., "Computerized Diagnosis in Orthodontics for Epidemiological Studies: A Progress Report, Paper presented at International Association for Dental Research 66th General Session, March 9-13, 1988, Montreal, Canada. The abstract is published in <i>J Dental Res Special Issue</i> Vol. 67, p. 169.	
	78	CARDINAL INDUSTRIAL FINISHES, Powder Coatings information posted at <a href="http://www.cardinalpaint.com">http://www.cardinalpaint.com</a> on Aug. 25, 2000, 2 pages total.	
	79	DENT-X posted at <a href="http://www.dent-x.com/DentSim.htm">http://www.dent-x.com/DentSim.htm</a> 09/24/98, 6 pages total.	
	80	DOYLE, Digital Dentistry, <i>Computer Graphics World</i> , Oct. 2000 pp. 50-52, 54.	
	81	FÜTTERLING et al., "Automated Finite Element Modeling of a Human Mandible with Dental Implants," WSCG '98 -Conference Program, retrieved from the Internet: << <a href="http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf">http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf</a> >>, 8 pages total.	
	82	GOTTLEIB et al., "JCO Interviews Dr. James A. McNamara, Jr., on the Frankel Appliance: Part 2: Clinical Management," <i>Journal of Clinical Orthodontics</i> , Vol. 16, No. 6, (June 1982) pp. 390-407	
	83	HEAVEN et al., Computer-based Image Analysis of Artificial Root Surface Caries, Abstracts of Papers, <i>Journal of Dental Research</i> , Vol. 70, April 17-21, 1991, p. 528.	
	84	HOJJATIE et al., "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," <i>J Biomech.</i> (1990) Vol. 23, No. 11, pp.1157-1166.	
	85	KUNII et al., Articulation Simulation for an Intelligent Dental Care System, <i>Displays</i> (1994) 15:181-188.	
	86	MANETTI et al., Computer-aided Cefalometry and New Mechanics in Orthodontics (Article Summary in English, article in German), <i>Fortschr. Kieferorthop.</i> 44, 370-376 (Nr. 5), 1983	
	87	TRU-TAIN ORTHODONTIC & DENTAL SUPPLIES, Product Brochure, Rochester, Minnesota 55902, 16 pages total.	
	88	PROFFIT et al, <i>Contemporary Orthodontics</i> (Second Ed.) Chapter 15, Mosby Inc, (October 1992 ), pp 470-533	
	89	RAINTREE ESSIX & ARS MATERIALS, INC., Raintree Essix, Technical Magazine Table of contents and Essix Appliances, <a href="http://www.essix.com/magazine/default.html">http://www.essix.com/magazine/default.html</a> Aug. 13, 1997, 7 pages.	

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Sheet	5	of	5	Attorney Docket Number	018563-006000US

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	90	REDMOND et al. Clinical Implications of Digital Orthodontics, <i>Am. J. Orthodont. Dentofacial Orthopedics</i> , Vol. 117 No. 2 (2001), pp. 240-242.	
	91	REKOW et al., "CAD/CAM for Dental Restorations - Some of the Curious Challenges," <i>IEEE Transactions on Biomedical Engineering</i> , (April 1991) Vol. 38, No. 4, pp. 344-345.	
	92	REKOW et al., "Comparison of Three Data Acquisition Techniques for 3-D Tooth Surface Mapping," <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , (1991) Vol. 13, No. 1, pp. 344-345.	
	93	SCHROEDER et al., Eds. The Visual Toolkit, Prentice Hall PTR, New Jersey (1998) Chapters 6, 8 & 9, (pages 153-210, 309-354, and 355-428, respectively).	
	94	SINCLAIR, "The Readers' Corner," <i>Journal of Clinical Orthodontics</i> , Vol. 26, No. 6, (June 1992) pp. 369-372	
	95	VARADY et al., Reverse Engineering Of Geometric Models—An Introduction, <i>Computer-Aided Design</i> , 29 (4):255-268, 1997.	

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